



PUBLIC NOTICE

File Number: NRS 14.059

Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

APPLICANT: Jerry Gist
City of Jackson
121 East Main Street, Suite 301
Jackson, TN 38301
731-300-3050

LOCATION: James Buchanan Road bridge at Anderson Branch, Jackson, Madison County.
(Lat:35.605939/Lon:-88.807303).

PROJECT DESCRIPTION: Proposed replacement of the existing bridge with ~40' of 2@18X9 ft. reinforced concrete box bridge and correct the alignment of the road. The replacement of the bridge would create a skew in the stream so ~120' of the channel would be adjusted to better transition beneath the new bridge crossing.

IMPACTS:

Impact 1: Latitude: 35.605939 Longitude: -88.807303
Anderson Branch James Buchanan Drive Bridge Sta. 10.00

Proposed replacement of the existing bridge with ~40' of 2@18X9 ft. reinforced concrete box bridge with ~15 ft. of riprap at the inlet and outlet for bank stabilization. Anderson Branch would be realigned to better transition into the new bridge by shifting ~120 ft. of stream into a new channel with 2:1 sloped banks and the original channel backfilled.

DEGRADATION: In accordance with the Tennessee Antidegradation Statement (Rule 0400-40-03-.06), the division has determined that the proposed activities will not result in degradation to water quality.

WATERSHED / WATERBODY DESCRIPTION: Anderson Branch flows into the South Fork Forked Deer River which is part of the Mississippi River Watershed. The South Fork Forked Deer River Watershed is located in West Tennessee and includes parts of Chester, Crockett, Dyer, Haywood, Henderson, Lauderdale, Madison, and McNairy Counties and drains

approximately 1,062 square miles. For more information on this watershed please visit <http://www.state.tn.us/environment/water/watersheds/lower-tennessee-river.shtml>.

Stream Name / ID #: Anderson Branch (TN08010205012_0600)

Ecoregion: Northern Hilly Gulf Coastal Plain ecoregion (65e)

Stream Dimension: Channel bottom width 55'
Chanel top width 65'
Water depth ~1'
Bank height 15'

Substrate: Silt, Sand Clay

Designated Use	Use Support	Causes
Fish and aquatic life	Not supporting	E. coli
Recreation	Not supporting	E. coli/ urban stream alterations
Industrial water supply	fully supporting	
Irrigation	fully supporting	
Livestock watering & wildlife	fully supporting	

Assessment Date: 2012

PERMIT COORDINATOR: Brian Canada

FACTORS CONSIDERED: In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat, diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

COMMENTING: Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

PUBLIC HEARING: Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

APPEAL: A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within THIRTY (30) DAYS after

public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Dr. Sandra Dudley, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 12th floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

FILE REVIEW: The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

Tennessee Department of Environment & Conservation
Division of Water Resources, Natural Resources Unit
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243



#5 – Existing Bridge – Upstream Face



#6 – Under the bridge looking downstream

SITE LOCATION MAP

PROJECT LOCATION NO. 57-8510-D-78

SCHEDULE OF DRAWINGS

SHEET NAME	SHEET NO.
COVER SHEET	1 of 10
ESTIMATED ROADWAY QUANTITIES, GENERAL NOTES, AND TYPICAL SECTION	2 of 10
GRADING PLAN OF JAMES BUCHANAN DRIVE	3 of 10
PLAN OF JAMES BUCHANAN DRIVE	4 of 10
BRIDGE LAYOUT DETAILS	5 of 10
PROFILE OF JAMES BUCHANAN DRIVE	6 of 10
PROF. OF JAMES BUCHANAN DRIVE	6 of 10
EROSION, SEDIMENT, AND DRAINAGE CONTROL	7 of 10
WINGWALL, STANDARD DRAWINGS	8 of 10
BOX STANDARD DRAININGS, SIDEWALK & HANDRAIL	9 of 10
CURB & GUTTER AND SNOWAL DETAILS	10 of 10

[illegible]

JAMES BUCHANAN DRIVE
OVER
ANDERSON BRANCH
BRIDGE NUMBER:

Author(s)	Journal	Year	Page(s)
Wang, Y. & Zhang, J.	Journal of Environmental Science	2015	123-130
Smith, A. & Jones, B.	Environmental Science and Technology	2016	456-463
Chen, L. & Liu, X.	Water Science and Technology	2017	789-796
Kim, S. & Park, H.	Journal of Hazardous Materials	2018	101-108
Lee, J. & Kim, M.	Environmental Monitoring and Assessment	2019	234-241
Wang, Z. & Li, Q.	Journal of Environmental Management	2020	345-352
Chen, H. & Zhang, W.	Water Resources Research	2021	567-574
Smith, R. & Brown, T.	Journal of Hydrology	2022	678-685
Chen, Y. & Wang, X.	Environmental Science and Technology	2023	789-796
Kim, J. & Lee, S.	Journal of Environmental Science	2024	890-897
Wang, L. & Zhang, Y.	Water Science and Technology	2025	908-915



PROJECT APPROVAL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ALL UTILITY COMPANIES WHICH MAINTAIN A UTILITY LINE WITHIN THE DISTRICT OF THE PROJECT PRIOR TO THE INITIATION OF ANY CONSTRUCTION OF THE PROJECT OR IN THE EVENT THAT THE PROJECT, THE CONSTRUCTION SHALL ALSO BE THE RESPONSIBILITY FOR ANY DAMAGE INCURRED TO UTILITY LINES, WHETHER KNOWN OR THE CONTRACTOR PLANS OR NOT, DURING WORK ON THE PROJECT.

[illegible]

7. ALL RELATIONSHIP
IN POWER HOLD
AND SOUGHT OF
RELATIONSHIP

MR. J. M. CONNELLEY, JR.
JAMES M. CONNELLEY, JR.
STENOGRAPHIC
615-292-7431
615-292-7431
615-292-7431

15. 20×10^3
 16. 10×10^3
 17. 10×10^3
 18. 10×10^3
 19. 10×10^3
 20. 10×10^3
 21. 10×10^3
 22. 10×10^3
 23. 10×10^3
 24. 10×10^3
 25. 10×10^3
 26. 10×10^3
 27. 10×10^3
 28. 10×10^3
 29. 10×10^3
 30. 10×10^3
 31. 10×10^3
 32. 10×10^3
 33. 10×10^3
 34. 10×10^3
 35. 10×10^3
 36. 10×10^3
 37. 10×10^3
 38. 10×10^3
 39. 10×10^3
 40. 10×10^3
 41. 10×10^3
 42. 10×10^3
 43. 10×10^3
 44. 10×10^3
 45. 10×10^3
 46. 10×10^3
 47. 10×10^3
 48. 10×10^3
 49. 10×10^3
 50. 10×10^3
 51. 10×10^3
 52. 10×10^3
 53. 10×10^3
 54. 10×10^3
 55. 10×10^3
 56. 10×10^3
 57. 10×10^3
 58. 10×10^3
 59. 10×10^3
 60. 10×10^3
 61. 10×10^3
 62. 10×10^3
 63. 10×10^3
 64. 10×10^3
 65. 10×10^3
 66. 10×10^3
 67. 10×10^3
 68. 10×10^3
 69. 10×10^3
 70. 10×10^3
 71. 10×10^3
 72. 10×10^3
 73. 10×10^3
 74. 10×10^3
 75. 10×10^3
 76. 10×10^3
 77. 10×10^3
 78. 10×10^3
 79. 10×10^3
 80. 10×10^3
 81. 10×10^3
 82. 10×10^3
 83. 10×10^3
 84. 10×10^3
 85. 10×10^3
 86. 10×10^3
 87. 10×10^3
 88. 10×10^3
 89. 10×10^3
 90. 10×10^3
 91. 10×10^3
 92. 10×10^3
 93. 10×10^3
 94. 10×10^3
 95. 10×10^3
 96. 10×10^3
 97. 10×10^3
 98. 10×10^3
 99. 10×10^3
 100. 10×10^3

EX. PRO CAR
N. W. - 280.00
PROFIT/LOSS
767.97

EX. JAMES BROWN
DRAFTS
EX. TRACER
PROF. JAMES BROWN
DRAFTS
EX. TRACER

LEGEND	
D ₁ , FLOWLINE	
WATER FLOWLINE	
DO, FLOOR OR ROAD	
DO, TOP OF BANK	

50% FOR EXISTING
 MEMBER, 10% FOR NEW
 MEMBER, 10% FOR BASIC
 10% OFF MEMBERSHIP
 10% OFF ALL
 10% OFF ALL

EC, 100% LIGHT BROWN
EC, 100% BROWN
PROMISED 10-10-00
EC, 100% BROWN
EC, 100% BROWN

TEL. 07883 11000	TEL. 07883 11000	TEL. 07883 11000	TEL. 07883 11000	TEL. 07883 11000
CONTROL POINT	CONTROL POINT	CONTROL POINT	CONTROL POINT	CONTROL POINT
TELECOMMUNICATIONS	TELECOMMUNICATIONS	TELECOMMUNICATIONS	TELECOMMUNICATIONS	TELECOMMUNICATIONS

[illegible]

1

EXISTING BRIDGE DESCRIPTION
THE EXISTING BRIDGE IS A ONE SPAN CONCRETE STRUCTURE WITH APPROX. 10% CONCRETE BRIDGE DEGRADATION AND CONCRETE SPALLS.
LENGTH = 38.0
WIDTH = 42.00
NO. OF LANES = 1

ON PALEOZOIC HORIZONS
WITH FISH REMAINS
TO REVEAL AND TEST
AN HYPOTHESIS

10+00

[illegible][illegible]

PROPOSED BOX SET DATE

PROJECT LOCATION NO.: 5146519-2-76
 STA. 10+00 TO CORNER CUT 2 @ 14+0.00 ACROSS THE RIVER
 INTERSECTION CORNER CUT ROAD BRIDGE
 LENGTH= 36.67 ft.
 TOTAL FILLING AND DRAINAGE STD. 17.66
 DRAINAGE STD. 10.10, STD. 17.11, STD. 17.18
 DRAINAGE STD. 17.18, STD. 17.18

CUMULATIVE PERCENT OF CUMULATIVE
 CUMULATIVE PERCENT = 30.00%
 ACT = 100%

THE VALUES IN THIS CHART ARE AN CALCULATED FROM THE DATA IN THE FOLLOWING TABLE:

1. IDENTIFYING A COUNTRY THROUGH BRIGHT'S CP IS FROM CHANGING INFORMATION.
2. BRIGHT'S CP IS FROM STRONG PLANS.
3. RETURNING ALL THE COUNTRIES TO CITIES OF JACOBSON.

5. COORDINATE ALL UTILITY RELOCATION WITH PROVIDER.

13+48

— or 141 61 61 61
B-02
B-03
TO BE REMOVED BY
GTR OR JCR/MS
NOTES

101575
 101576
 101577
 101578
 101579
 101580
 101581
 101582
 101583
 101584
 101585
 101586
 101587
 101588
 101589
 101590
 101591
 101592
 101593
 101594
 101595
 101596
 101597
 101598
 101599
 101600
 101601
 101602
 101603
 101604
 101605
 101606
 101607
 101608
 101609
 101610
 101611
 101612
 101613
 101614
 101615
 101616
 101617
 101618
 101619
 101620
 101621
 101622
 101623
 101624
 101625
 101626
 101627
 101628
 101629
 101630
 101631
 101632
 101633
 101634
 101635
 101636
 101637
 101638
 101639
 101640
 101641
 101642
 101643
 101644
 101645
 101646
 101647
 101648
 101649
 101650
 101651
 101652
 101653
 101654
 101655
 101656
 101657
 101658
 101659
 101660
 101661
 101662
 101663
 101664
 101665
 101666
 101667
 101668
 101669
 101670
 101671
 101672
 101673
 101674
 101675
 101676
 101677
 101678
 101679
 101680
 101681
 101682
 101683
 101684
 101685
 101686
 101687
 101688
 101689
 101690
 101691
 101692
 101693
 101694
 101695
 101696
 101697
 101698
 101699
 101700
 101701
 101702
 101703
 101704
 101705
 101706
 101707
 101708
 101709
 101710
 101711
 101712
 101713
 101714
 101715
 101716
 101717
 101718
 101719
 101720
 101721
 101722
 101723
 101724
 101725
 101726
 101727
 101728
 101729
 101730
 101731
 101732
 101733
 101734
 101735
 101736
 101737
 101738
 101739
 101740
 101741
 101742
 101743
 101744
 101745
 101746
 101747
 101748
 101749
 101750
 101751
 101752
 101753
 101754
 101755
 101756
 101757
 101758
 101759
 101760
 101761
 101762
 101763
 101764
 101765
 101766
 101767
 101768
 101769
 101770
 101771
 101772
 101773
 101774
 101775
 101776
 101777
 101778
 101779
 101780
 101781
 101782
 101783
 101784
 101785
 101786
 101787
 101788
 101789
 101790
 101791
 101792
 101793
 101794
 101795
 101796
 101797
 101798
 101799
 101800
 101801
 101802
 101803
 101804
 101805
 101806
 101807
 101808
 101809
 101810
 101811
 101812
 101813
 101814
 101815
 101816
 101817
 101818
 101819
 101820
 101821
 101822
 101823
 101824
 101825
 101826
 101827
 101828
 101829
 101830
 101831
 101832
 101833
 101834
 101835
 101836
 101837
 101838
 101839
 101840
 101841
 101842
 101843
 101844
 101845
 101846
 101847
 101848
 101849
 101850
 101851
 101852
 101853
 101854
 101855
 101856
 101857
 101858
 101859
 101860
 101861
 101862
 101863
 101864
 101865
 101866
 101867
 101868
 101869
 101870
 101871
 101872
 101873
 101874
 101875
 101876
 101877
 101878
 101879
 101880
 101881
 101882
 101883
 101884
 101885
 101886
 101887
 101888
 101889
 101890
 101891
 101892
 101893
 101894
 101895
 101896
 101897
 101898
 101899
 101900
 101901
 101902
 101903
 101904
 101905
 101906
 101907
 101908
 101909
 101910
 101911
 101912
 101913
 101914
 101915
 101916
 101917
 101918
 101919
 101920
 101921
 101922
 101923
 101924
 101925
 101926
 101927
 101928
 101929
 101930
 101931
 101932
 101933
 101934
 101935
 101936
 101937
 101938
 101939
 101940
 101941
 101942
 101943
 101944
 101945
 101946

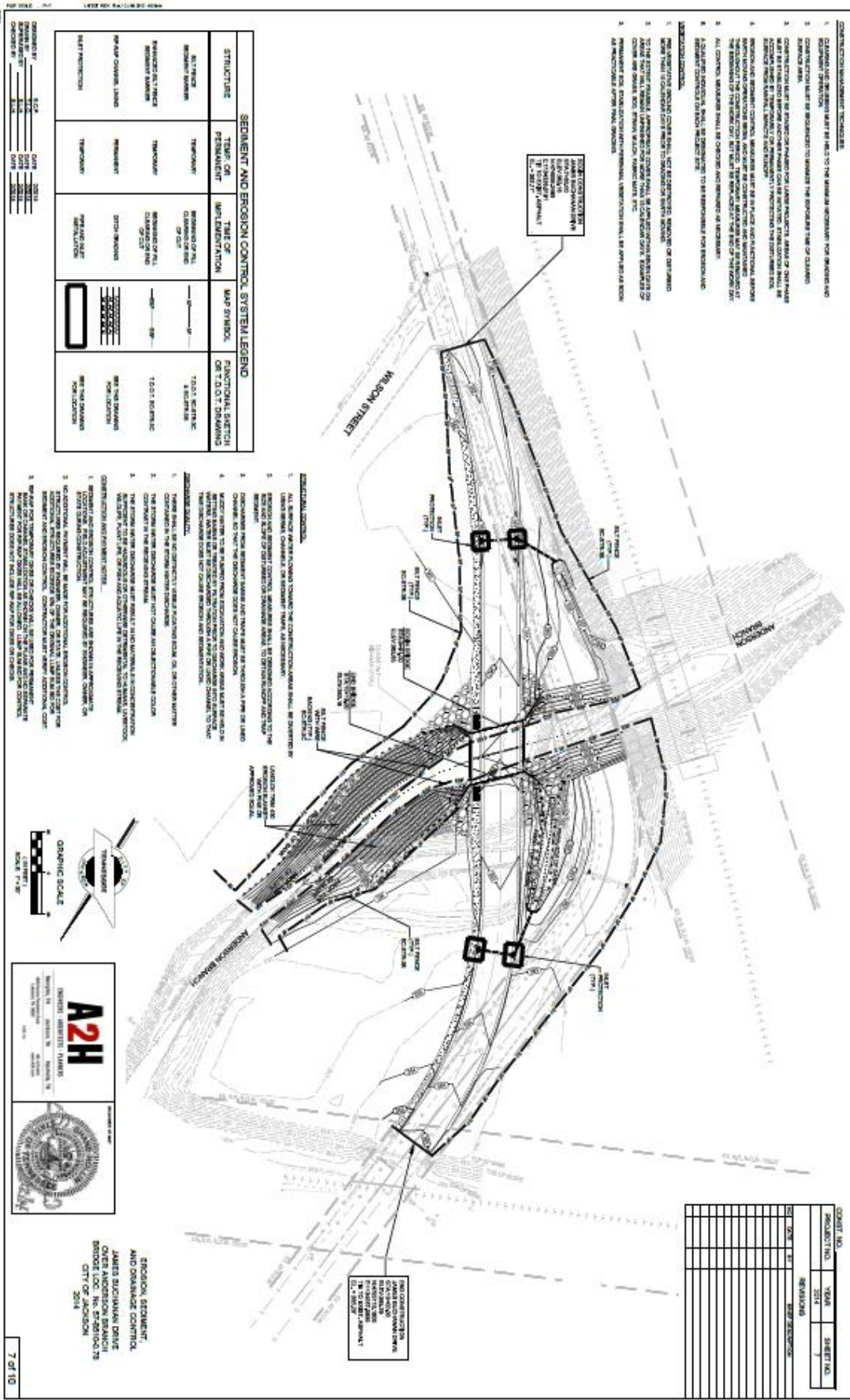
2023

PLAN OF
JAMES BUCHANAN DRIVE
JAMES BUCHANAN DRIVE
OVER ANDERSON BRANCH

CITY OF JACKSON
2014

4 of 10

1104



SEDIMENT AND EROSION CONTROL SYSTEM LEGEND				
STRUCTURE	TYPE OR PERMANENT	TIME OF INSTALLATION	MAP SYMBOL	FUNCTIONAL DETAIL OR T.O.T. DRAWING
SILT FENCE	TEMPORARY	BEFORE OR AFTER CONSTRUCTION	—	T.O.T. DETAIL A
SEDIMENT BASIN	TEMPORARY	BEFORE OR AFTER CONSTRUCTION	—	T.O.T. DETAIL B
SEDIMENT TRAP	TEMPORARY	BEFORE OR AFTER CONSTRUCTION	—	T.O.T. DETAIL C
SEDIMENT TRAP	PERMANENT	BEFORE OR AFTER CONSTRUCTION	—	T.O.T. DETAIL D
SEDIMENT TRAP	PERMANENT	BEFORE OR AFTER CONSTRUCTION	—	T.O.T. DETAIL E
SEDIMENT TRAP	PERMANENT	BEFORE OR AFTER CONSTRUCTION	—	T.O.T. DETAIL F
SEDIMENT TRAP	PERMANENT	BEFORE OR AFTER CONSTRUCTION	—	T.O.T. DETAIL G
SEDIMENT TRAP	PERMANENT	BEFORE OR AFTER CONSTRUCTION	—	T.O.T. DETAIL H
SEDIMENT TRAP	PERMANENT	BEFORE OR AFTER CONSTRUCTION	—	T.O.T. DETAIL I
SEDIMENT TRAP	PERMANENT	BEFORE OR AFTER CONSTRUCTION	—	T.O.T. DETAIL J

DRAWN BY: J.A.H.
 CHECKED BY: J.A.H.
 DATE: 10/1/01
 SCALE: 1"=40'

1. ALL EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
2. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
3. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
4. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
5. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
6. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
7. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
8. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
9. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
10. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.



EROSION, SEDIMENT,
 AND DRAINAGE CONTROL
 JAMES ANDERSON BRANCH
 BRIDGE LOC. NO. 10000078
 CITY OF JACKSON
 2004

1. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
2. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
3. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
4. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
5. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
6. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
7. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
8. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
9. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.
10. EROSION CONTROL STRUCTURES SHALL BE DESIGNED TO PREVENT EROSION AND TO PREVENT SEDIMENT FROM ENTERING THE ADJACENT WATERWAY.

PROJECT NO.	YEAR	SHEET NO.
2004	2004	7
REVISIONS		
NO.	DATE	DESCRIPTION